

# Product specification

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Description: media player

Model: JR-1929MC

Customer Approved

Approved	Checked	Prepared

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## Version history

DATE	Version	Modify the content
2020-10-27	Rev: 1.0	The new formulation

## 1. Scope of application

Application product number:  
Application product name:  
Application component: body

## 2. Electrical parameters

Working voltage: DC12V Working current: playing music  $\leq 800\text{mA}$

Operating voltage range: DC12V~14V

Storage temperature:  $-20^{\circ}\text{C}$ ~ $+70^{\circ}\text{C}$  Working temperature:  $0^{\circ}\text{C}$ ~ $+60^{\circ}\text{C}$   
Relative humidity: 45%~85%

## 3. Function description

1. One-key start key; ① Press this key once to turn on the main power switch, the system is in standby state, and the horn emits a car engine sound at the same time, the one-key start key blue light is on, the display shows "H1", and it will display after the engine sound ends Normal voltage. ② After pressing this button for 2 seconds, the main power supply will be turned off and the system will be shut down. ③ In all audio playback modes, short press this key to switch between play and pause functions.

2. Volume +\next key; ① In built-in music, USB, BT, AUX mode: short press this key, the white light of this key will turn on once, it will switch to the next music; long press this key for 2 seconds without letting go , The white light of this button is on, the volume is increasing, and the volume value U00-U30 on the display screen is displayed increasing.

3. Volume-\Previous key; ① In the built-in music USB BT mode: short press this key, the white light of this key will turn on once, and it will switch to the previous music; long press this key for 2 seconds without letting go, this key is white The light is on, the volume decreases, and the volume value U30-U00 on the display screen is displayed decreasingly.

4. Music button; In any mode, press the music button to switch to the built-in music playback mode, and the button will light up in white.

5. Light button; When the machine is turned on, it is turned off by default. Press once to turn on the lights, and the white light is on at the same time; press the lights again to turn off, and the white light is off at the same time.

6. Swing button; press this button, the system switches to swing mode, and the white light of this button is on, and the car will swing one after the other in the same place; press this button again to stop swinging, and the white light of this button will go out.

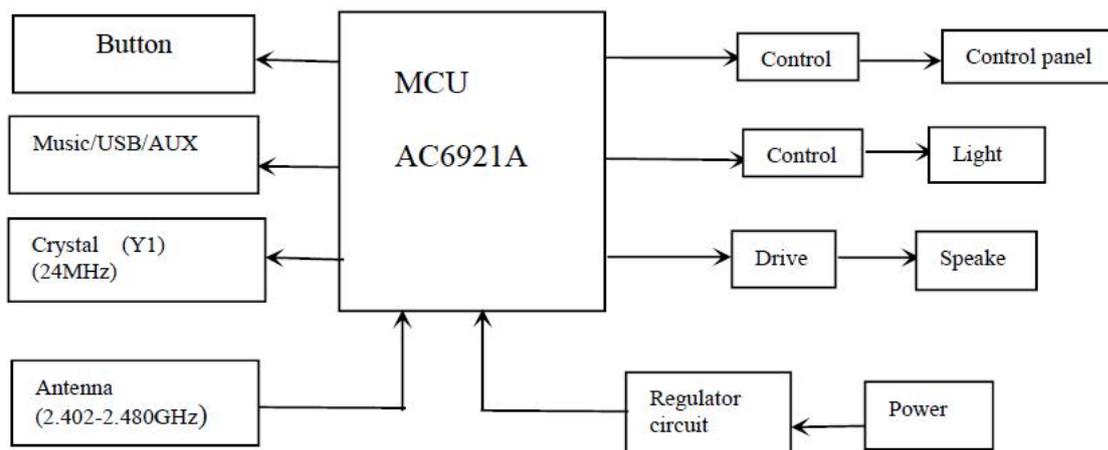
7. Pause playback button; in the USB built-in music BT mode, when playing music, you can pause and play switch

8. Switch button; USB built-in music BT AUX can be switched freely

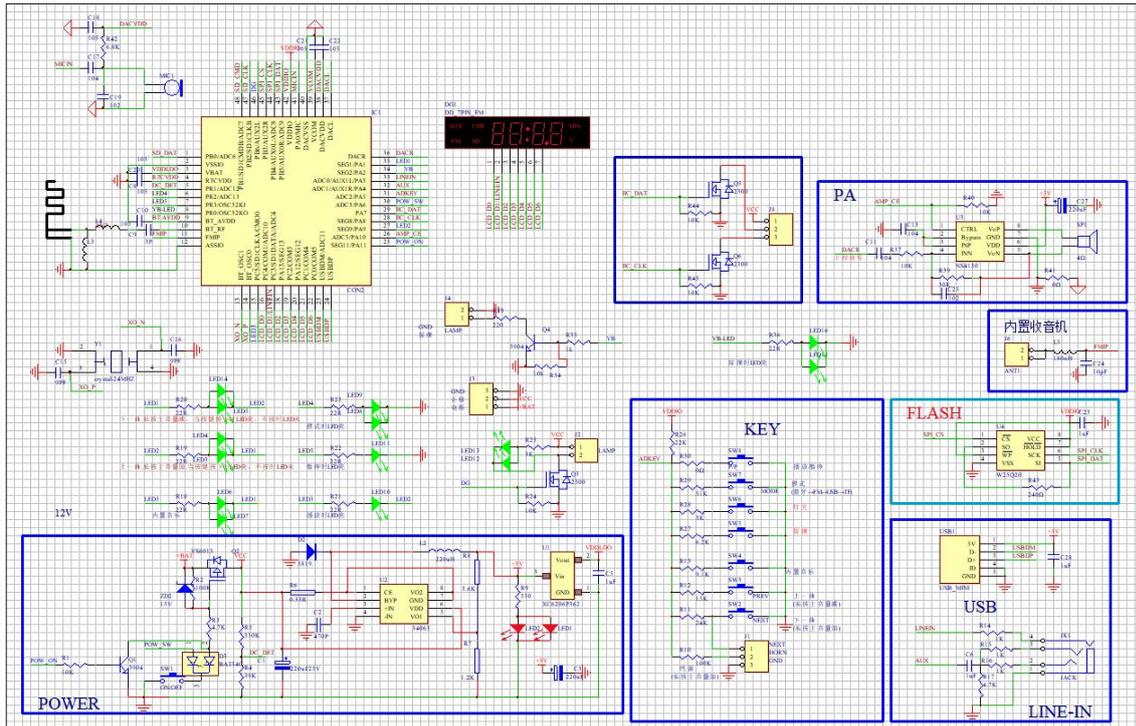
#### 4. Physical map



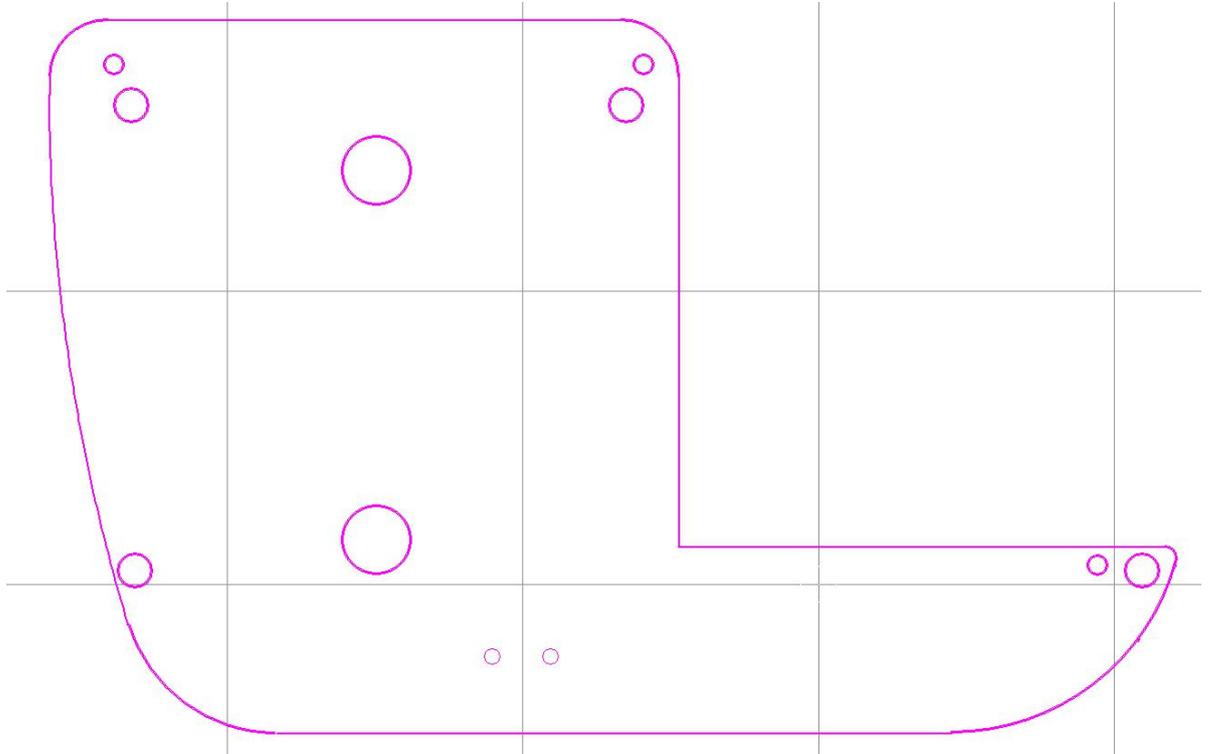
#### 5. Block diagram



## 6. Schematics diagram

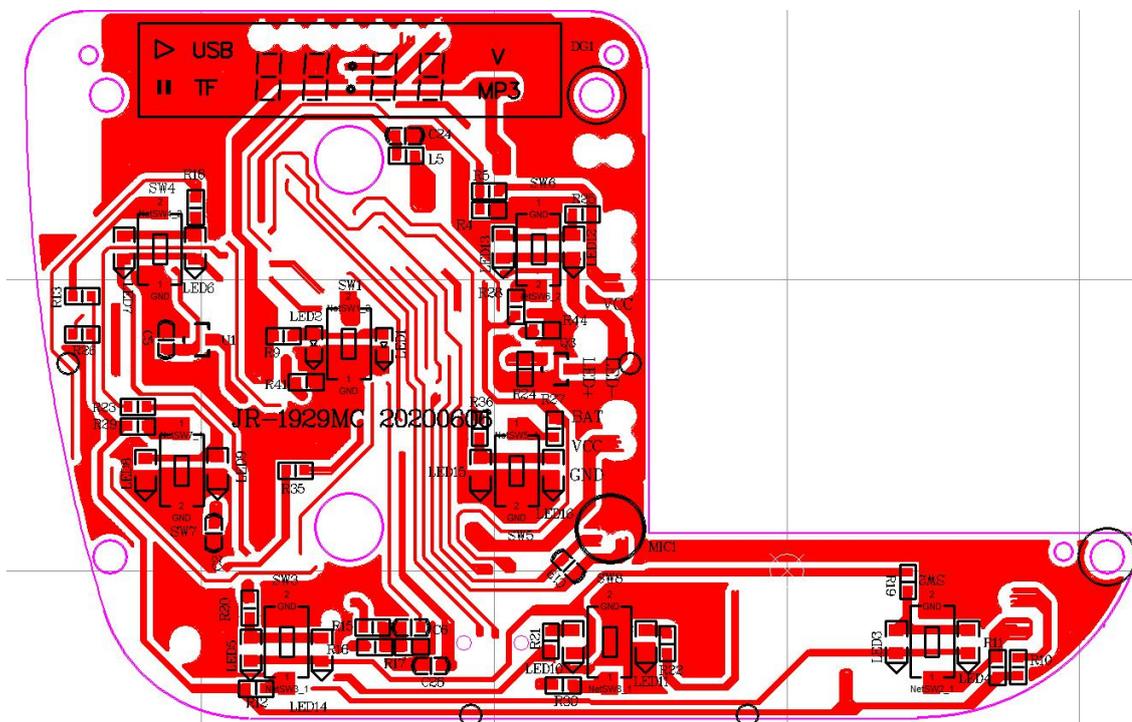


## 7. Structure size chart

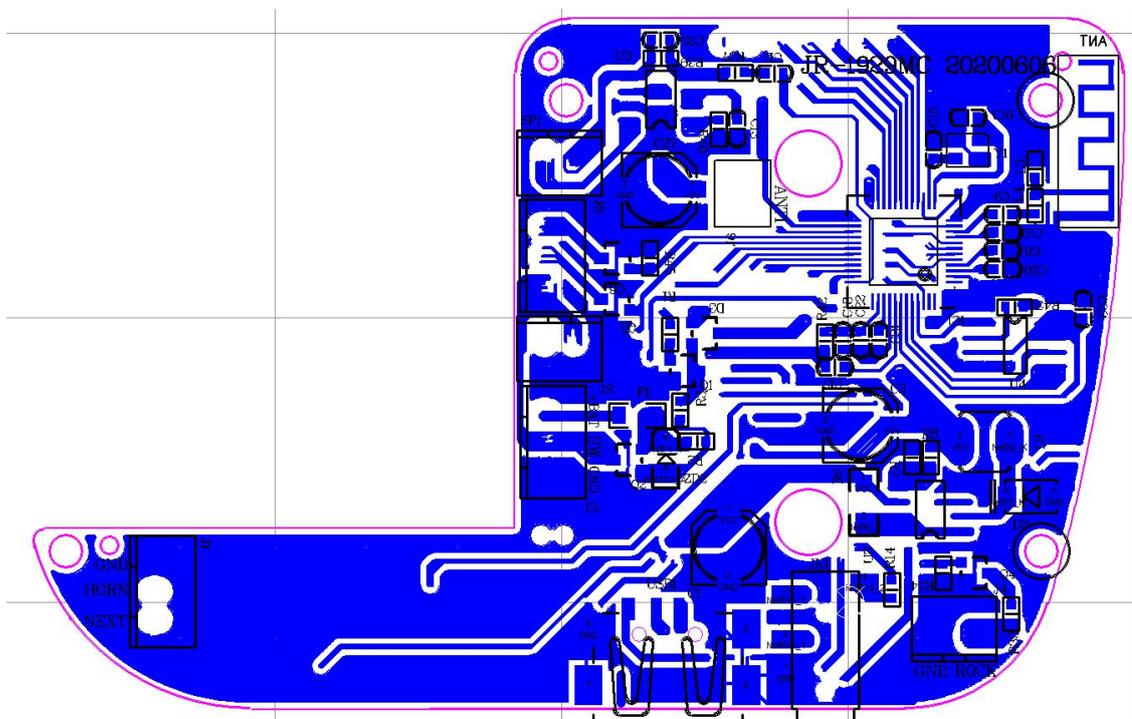


## 8. PCB Wiring diagram

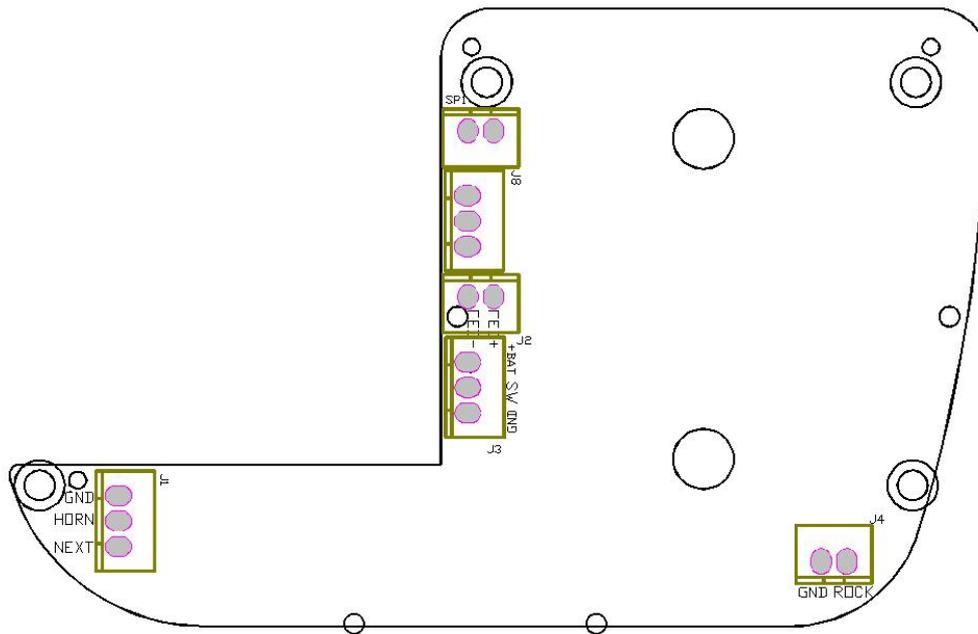
Top line



Bottom line diagram



## 9. Wiring diagram



## 10. Packaging

1. Visual inspection after wave soldering is completed to check whether the appearance meets the requirements. There should be no false soldering, false soldering, short circuit, open circuit and other undesirable phenomena. There is no tin slag, tin bead and other sundries on the substrate, and the board surface is clean and tidy without stains.
2. After passing the test, assemble the rubber shell, 50pcs per box, and separate each layer with cardboard.

## 11. Precautions

1. The input voltage cannot exceed the voltage value specified in the specification to prevent damage to the electronic board
2. The polarity of the positive and negative plugs of the power supply can not be reversed. Reversed connection will burn the electronic board and cannot be used normally.
3. Pay attention to anti-static measures when contacting the substrate during processing, assembly, and operation to avoid damage to the substrate
4. After the product is packaged, please handle it gently to prevent collision and damage to the substrate

## 12. Test items

1. Test tools: DC power supply, COB test frame
2. Test parameters: DC voltage: DC14V
3. Test content:
  - a. Put the COB board to be tested into the test rack in the correct way
  - b. Test procedure

## **FCC Caution.**

### **(1)§ 15.19 Labelling requirements.**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **§ 15.21 Changes or modification warning**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **§ 15.105 Information to the user.**

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.